

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE **X** WATER SANDS LOCATION INSPECTED **011** SUB. REPORT/abd.

DATE FILED **9-24-82**

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO. **U-18632**

INDIAN

DRILLING APPROVED: **9-27-82**

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

LA 10-21-83

FIELD:

WILDCAT 3/86

UNIT:

COUNTY:

GRAND

WELL NO.

DELORES RIVER #1

LOCATION

2008

FT. FROM (N) (S) LINE.

2053

FT. FROM (E) (W) LINE.

API NO. **43-019-31001**

SW NE

1/4 - 1/4 SEC.

14

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

25S

24E

14

AMOCO PRODUCTION

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-18632
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		7. UNIT AGREEMENT NAME Delores River
3. ADDRESS OF OPERATOR P.O. Box 17675 Salt Lake City, Utah 84117		8. FARM OR LEASE NAME Delores River Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2008' FNL & 2053' FEL At proposed prod. zone		9. WELL NO. #1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 2008'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 14, T25S, R24E
16. NO. OF ACRES IN LEASE 1,040 acres		12. COUNTY OR PARISH Grand
17. NO. OF ACRES ASSIGNED TO THIS WELL		13. STATE Utah
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 8110' Gr		22. APPROX. DATE WORK WILL START* 11-31-82

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94#	80'	Cmt to surface
17 1/2"	13 3/8"	88#	3000'	" " "
12 1/4"	9 5/8"	47#-53.5#-62.8#	16200'	At operator discretion
8 1/2"	7" Liner	32#	17000'	as required to cover all pay

PROPOSE TO TEST OIL AND GAS POTENTIAL OF
MISSISSIPPIAN REDWALL & DEVONIAN-MCCRACKEN FORMATIONS

(See Attachments)

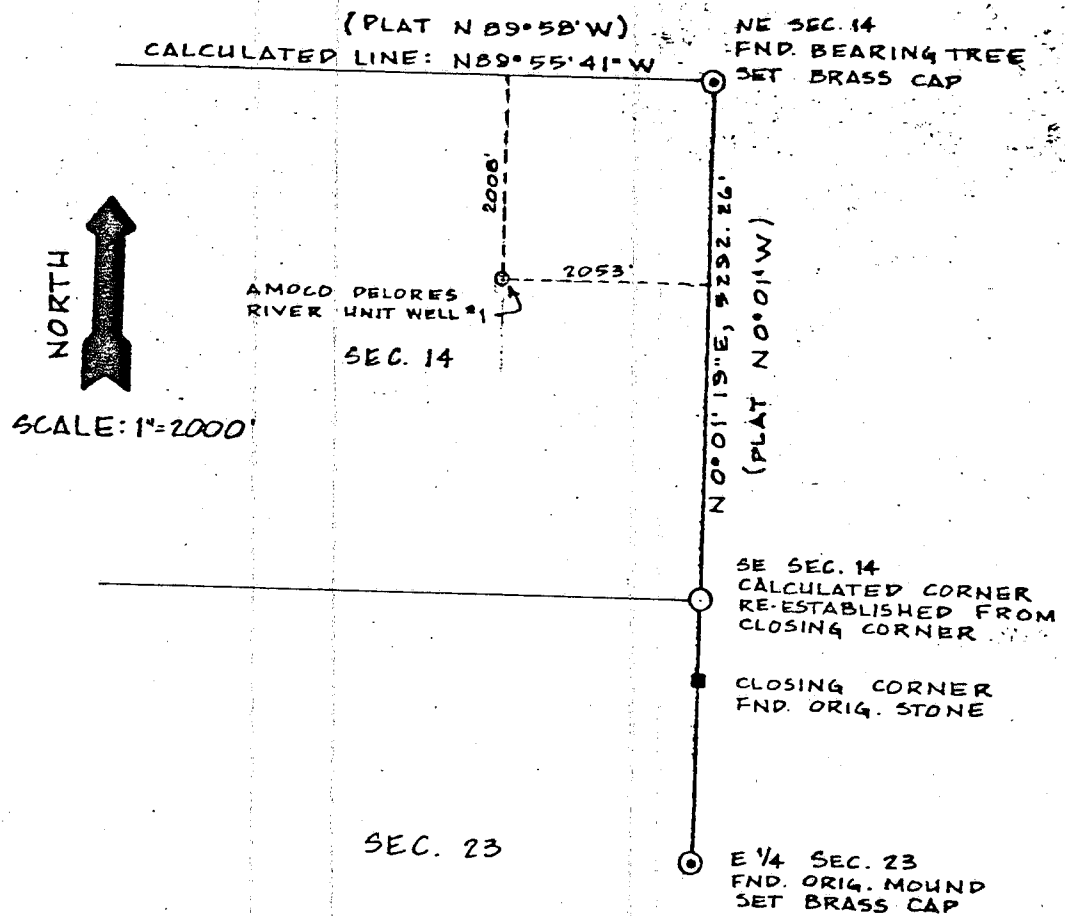
(Amoco Production Company requests variance under State of Utah Rule C-3(c), General Rules & Regulations, due to topographical considerations. Amoco owns or controls all acreage within a 660' radius of the proposed site)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Norman M. Stow TITLE Administrative Supervisor DATE 9-20-82
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions On Reverse Side



T 25 S, R 24 E, SLB 4 M

WELL ELEV. 8110'

DATUM: USGS QUAD "POLAR MESA-UTAH-COLO."
VERTICAL ANGLE BENCH MARK "CAIRN"
NW 1/4 SEC. 25, T 25 S, R 24 E,
ELEV. 8971

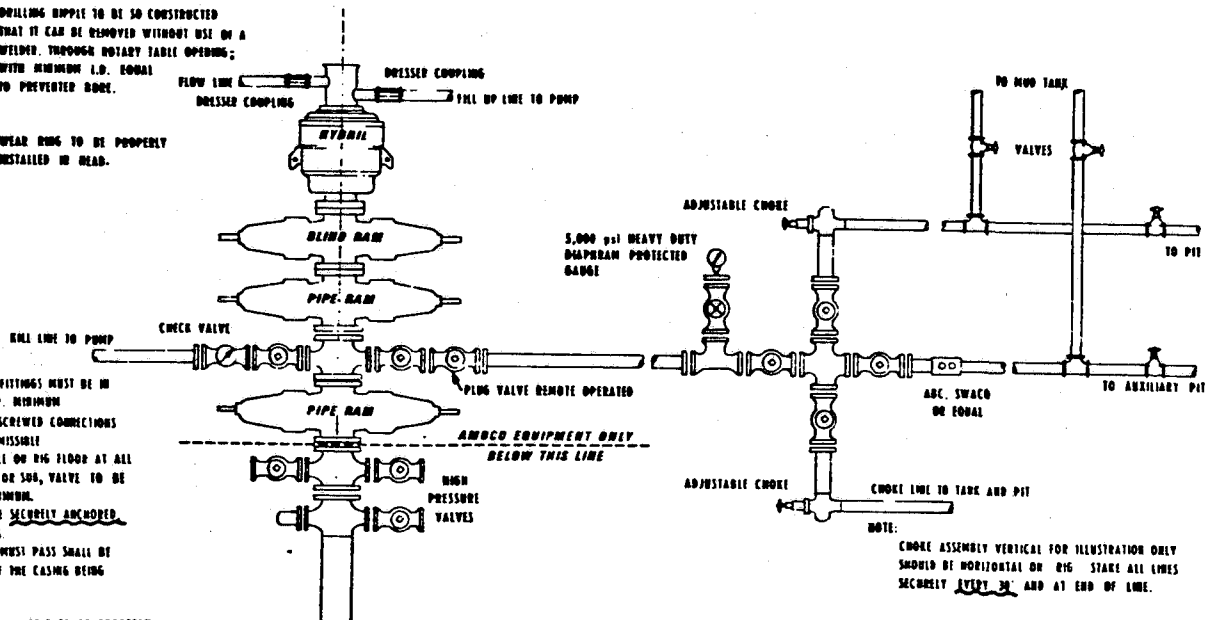
AUTHORIZED BY: REID SMITH

EXHIBIT BOP-5000
MINIMUM BLOW-OUT PREVENTER REQUIREMENTS
5,000 psi W.P.

NOTE:

1 DRILLING SUPPLY TO BE SO CONSTRUCTED THAT IT CAN BE REMOVED WITHOUT USE OF A WELDER, THROUGH ROTARY TABLE OPENING; WITH MINIMUM I.D. EQUAL TO PREVENTER BORE.

2 WEAR RING TO BE PROPERLY INSTALLED IN HEAD.



NOTE:

ALL VALVES TO BE FULL OPENING.

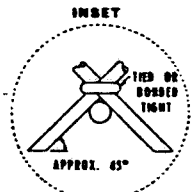
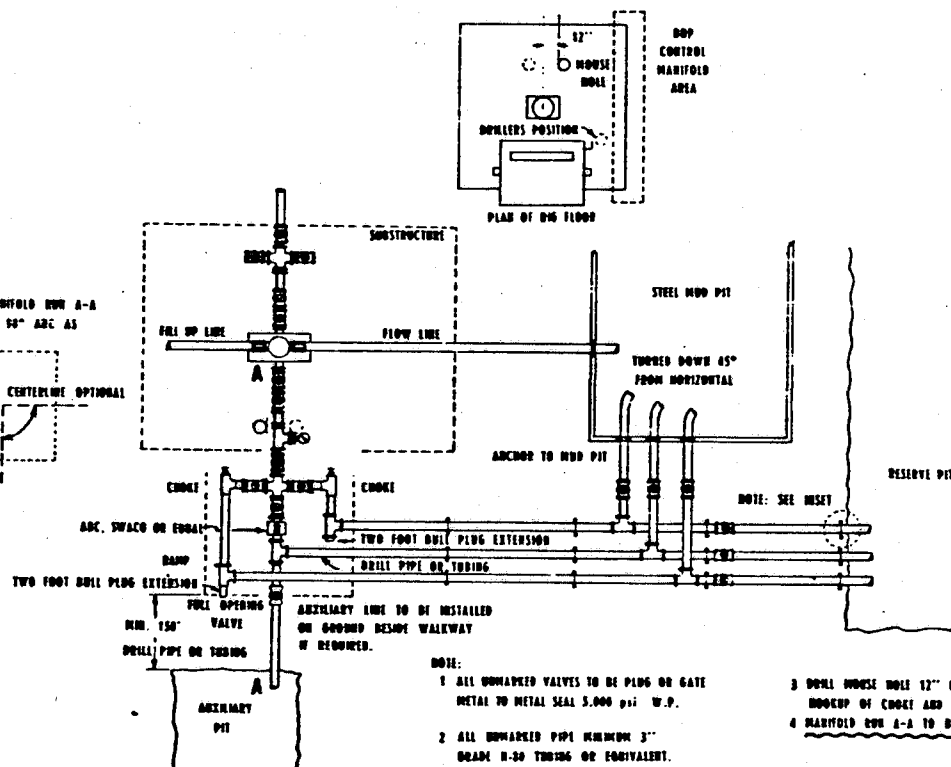
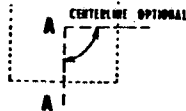
NOTE:

- 1 BLOW-OUT PREVENTERS AND ALL FITTINGS MUST BE IN GOOD CONDITION 5,000 psi W.P. MINIMUM
- 2 ALL FITTINGS TO BE FLANGED, SCREWED CONNECTIONS DOWNSTREAM FROM CHOKES PERMISSIBLE
- 3 SAFETY VALVE MUST BE AVAILABLE ON RIG FLOOR AT ALL TIMES WITH PROPER CONNECTION OR 500, VALVE TO BE FULL BORE 5,000 psi W.P. MINIMUM
- 4 ALL CHOKES AND KILL LINES TO BE SECURELY ANCHORED, ESPECIALLY ENDS OF CHOKES LINES
- 5 EQUIPMENT THROUGH WHICH BIT MUST PASS SHALL BE AS LARGE AS INSIDE DIAMETER OF THE CASING BEING DRILLED THROUGH.
- 6 KELLY COCK ON KELLY.
- 7 EXTENSION WRENCHES AND HAND WHEELS TO BE PROPERLY INSTALLED AND BRACED AT ALL TIMES.
- 8 RIG FLOOR BLOW-OUT PREVENTER CONTROL TO BE LOCATED AS CLOSE TO DRILLERS POSITION AS FEASIBLE.
- 9 BLOW-OUT PREVENTER CLOSING EQUIPMENT TO INCLUDE 90 GALLON ACCUMULATOR, TWO INDEPENDENT SOURCES OF PUMP POWER ON EACH CLOSING UNIT INSTALLATION, AND MEET ALL IAMC SPECIFICATIONS.

NOTE:
 CHOKES ASSEMBLY VERTICAL FOR ILLUSTRATION ONLY SHOULD BE HORIZONTAL ON RIG. STAKE ALL LINES SECURELY EVERY 30' AND AT END OF LINE.

NOTE:

DIRECTION OF MANIFOLD RUN A-A OPTIONAL WITHIN 90° ARC AS SHOWN BELOW.



NOTE:

- 1 ALL UNMARKED VALVES TO BE PLUG OR GATE METAL TO METAL SEAL 5,000 psi W.P.
- 2 ALL UNMARKED PIPE MINIMUM 3" GRADE B-30 TUBING OR EQUIVALENT.

- 3 BULL HOLE 12" OFF CENTER IF DOOR OF CHOKES AND MANIFOLD IS UNDER RAMP.
- 4 MANIFOLD RUN A-A TO BE STRAIGHT THRU RUN.

Amoco Production Company
STANDARD ASSEMBLY FOR FLUID
OPERATED TRIPLE BLOW-OUT PREVENTER
5,000 psi W.P.

ATTACHMENT TO FORM 9-331C

Delores River Unit No. 1

- 1) Geologic name of the surface formation: Clastics, Pred SS
- 2) Estimated tops of geological markers:

Carb & Clastics, Herm	10,000'
Mississippian Redwall	16,250'
Redwall, Porosity	16,500'
Ouray LS	16,700'
McCracken SS	16,900'
TD:	17,000'

- 3) Anticipated depths to encounter oil, gas or water-bearing formations:
16,500' - 17,000' Redwall Porosity to TD

- 4) Casing Program: See Form 9-331C, Item #23

Weight Distributed as Follows:

<u>Casing Size:</u>	<u>Weight:</u>	<u>Grade:</u>	<u>Depth:</u>
20"	94#	H-40 ST&C	80'
13 3/8"	88#	SS-95 LT&C	3000'
9 5/8"	47#	P-110	8000'
	53.5#	SS-95 LT&C	4700'
	62.8#	S-105 LT&C	3500'
7" liner	32#	P-110 LT&C	15,700' to TD

- 5) Operators minimum specifications for pressure control equipment is explained on the attached schematic diagram. Testing of such will be performed daily and noted on the IADC Daily Drilling Report. After running surface casing and prior to drilling out, the BOP and other pressure equipment will be tested to the full working pressure rating as shown on the attached diagram. Thereafter, the BOP will be tested as per federal requirements and noted on the IADC Daily Drilling Report. The BOP stack will be installed on the 13 3/8" surface casing, a 20" hydril with diverter will be installed on the 20" conductor.

- 6) Mud Program:

80' to 3000'	to be air-drilled
3000' to 16200'	air-mist-foam-brine water
16200' to 17000'	Low solid, non-dispersed, 8.7#-9.0#/gal. Viscosity as needed to clean hole

7) Auxiliary Equipment:

Kelly cock; no bit floats; sub with full opening valve, 3" choke manifold with remote control choke; monitor system on pit level, audio and visual; mudlogger unit (2-man type)

8) Testing Program:

One DST to be conducted in the Mississippian Redwall and One DST to be conducted in the Devonian McCracken

Logging Program:

DIL-GR-SP	ICP to TD
BHC-Sonic-GR	" "
Dipmeter	" "
FDC-CNL-GR	Surface to TD
Velocity Survey	" "

Coring Program:

None

Stimulation Program:

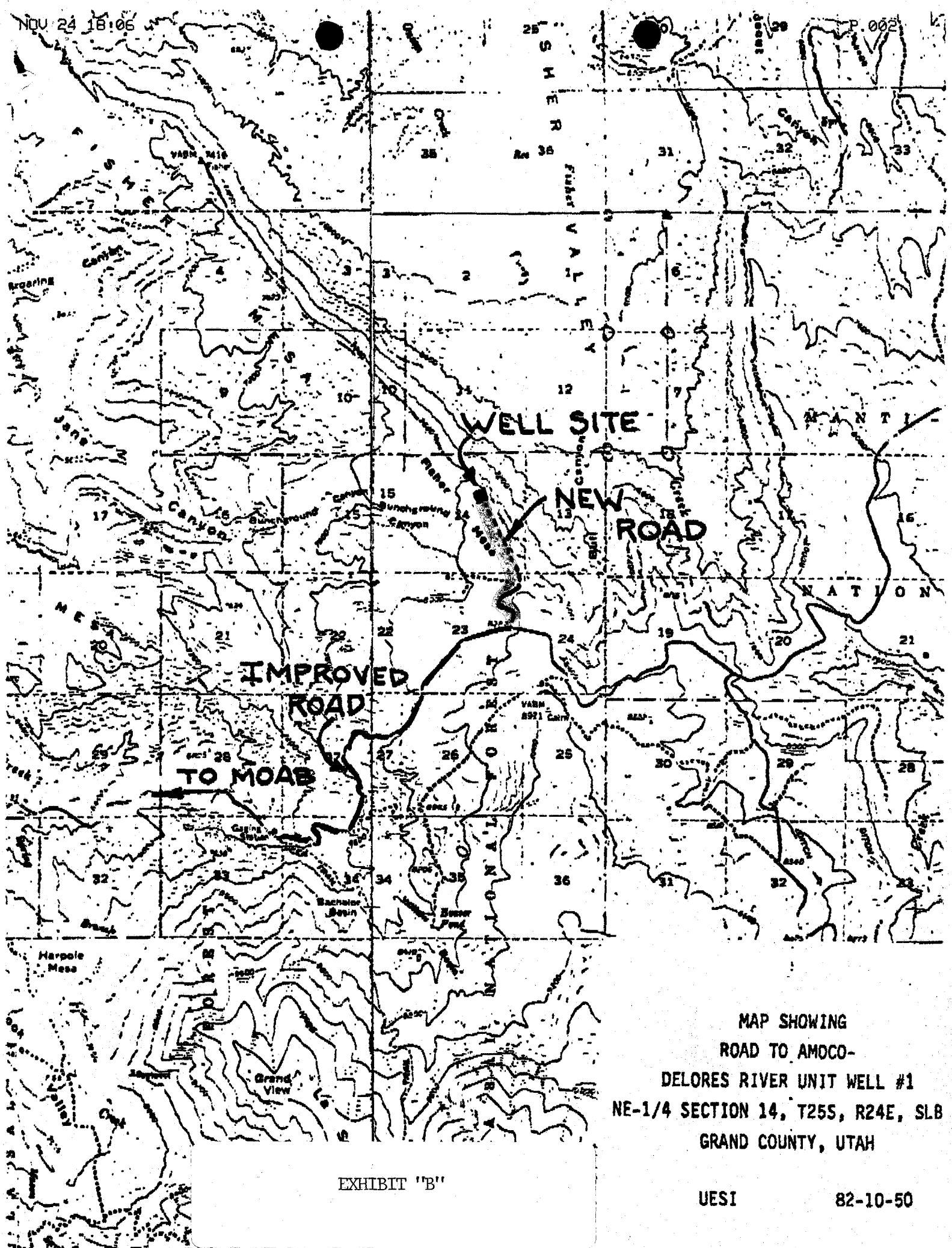
to be determined upon completion of drilling operations

- 9) No abnormal temperatures, pressures or hydrogen sulfide gas is anticipated.
- 10) Anticipated starting date will be prior to November 30, 1982 and duration of operations will be approximately 180 days.

NOV 24 18:06

25
S
H
E
R
R
R
A
N
36
Fisher
V
A
L
L
E
Y

P. 002



MAP SHOWING
ROAD TO AMOCO-
DELORES RIVER UNIT WELL #1
NE-1/4 SECTION 14, T25S, R24E, SLB
GRAND COUNTY, UTAH

EXHIBIT "B"

UESI

82-10-50

SURFACE USE AND OPERATIONS PLAN - NTL-6

Delores River Unit #1

1) EXISTING ROADS:

- A. Proposed well site as staked: See Exhibit "A"
- B. Route and distance from nearest town or locatable reference to where well access route leaves main road: See Exhibit "B"
- C. Access road to location color-coded: See Exhibit "B"
- D. If exploratory well, all existing roads within a 3-mile radius of well site: See Exhibit "B"
- E. Plans for improvement and/or maintenance of existing roads: Amoco proposes to utilize an existing Forest Development Road for access to the proposed site. Upon reaching the end of the asphalt surface of the existing FDR road, the road will be widened to a 20' wide running surface in accordance with the Manti-LaSal District specifications for road construction. The road will be graveled to a depth determined by soil testing information and engineered loads. Amoco is currently preparing a maintenance plan for the existing roads which will be submitted under separate cover prior to commencement of construction operations.

2) PLANNED ACCESS ROADS:

- 1) Width: 16' outslope design, that portion of the road in Sec. 23, T25S, R24E, will be 16' crowned and ditched
- 2) Maximum Grade: 8% sustained maximum grade
- 3) Turnouts: Intervisible
- 4) Drainage Design: complete road design profile is currently being prepared, culvert placement and drainage design will be included
- 5) Surfacing material: native soil, gravel where indicated
- 6) Gates, cattleguards, fence cuts, etc: None
- 7) Centerline stake for new or reconstructed roads: flagging is in place

3) LOCATION OF EXISTING WELLS:

- 1) Water wells: None
- 2) Abandoned wells: None
- 3) Temporarily abandoned wells: None
- 4) Disposal wells: None
- 5) Drilling wells: None
- 6) Producing wells: None
- 7) Shut-in wells: None
- 8) Injection wells: None
- 9) Monitoring or observation wells: None

4) LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. Lessee owned/operated facilities within a 1-mile radius:
There are currently no facilities in T25S, R24E, Grand County

B. New Lessee operated/owned facilities in the event of production:

- (1) Proposed location of lines: See Exhibit "D"
- (2) Dimension of facilities: See Exhibit "D"
Exhibit "D" represents typical production layout of facilities. Should commercial production be found at the subject site, a site-specific layout of facilities will be prepared.
- (3) Construction methods and materials: Amoco and OSHA approved construction methods will be observed in all construction activities.
- (4) Protective measures and devices to protect livestock and wildlife: pits will be covered and fenced until dry then filled.

C. Plan for rehabilitation of disturbed areas no longer needed for operations after construction is completed:
Areas no longer needed will be leveled, recontoured, and reseeded per Forest Service specifications. Cut and fill sections will be monitored for stabilization as well as the displacement effect on wildlife. All slash will be piled to specifications of the surface management agency. Vertical cut banks will be left where it is determined there will be minimal slumping possibilities.

5) LOCATION AND TYPE OF WATER SUPPLY:

- A. Location and type by map or description: Water will be obtained from Castle Creek in the NE/4 NE/4 of Section 33, T25S, R24E. The appropriate documentation will be filed with the Utah Division of Water Rights.
- B. Transportation: Water will be transported via trucks along existing roads to the site.

6) SOURCE OF CONSTRUCTION MATERIALS:

- A. Location by map or description: construction materials will be obtained from the disturbed areas.
- B. Federal or Indian land ownership: All lands are within the boundaries of the Manti-LaSal National Forest.
- C. Construction material obtained and used: should it be necessary to obtain any foreign material, such as sand or gravel, said materials will be obtained from private sources.

7) METHODS FOR HANDLING WASTE DISPOSAL:

- (1) Cuttings: to be contained in the reserve pit
- (2) Drilling fluids: fluids will be contained in the reserve pit. If the pit is to be left open during winter snow-pack, the fluids will be lowered to an acceptable level and will be of such quality that any discharge will meet state water quality standards. Should the pit be in danger of overflowing or leakage is found, drilling operations will

cease immediately until the liquid can be lowered to a safe level or the leakage problem corrected.

- (3) Produced fluids, oil and water: Fluids will be contained in the reserve pit until clean-up, then skimmed or burned as the situation dictates. If the well is a producer, the excess materials which cannot be dried out or mixed with materials on site, will be hauled away for disposal. All gas, diesel, oil, grease, and drilling mud will be prevented from entering any live stream.
- (4) Sewage: the installation of state approved sanitation facilities will be conducted
- (5) Garbage and other waste: all garbage and waste will be hauled to a sanitary landfill for disposal.
- (6) Clean up after rig removed: the surface of the drill pad will be graded. The "mouse" and "rat" holes, sewage, burn pits will be filled as soon as possible. The reserve pit will be fenced on all four sides until dry, then filled, recontoured and seeded.

8) AUXILIARY FACILITIES:

- A. Amoco proposes a 35-man camp at the subject site - Refer to Exhibit "C"

9) WELL SITE LAYOUT:

- (1) Drill pad cross section: Refer to Exhibit "A"
- (2) Location of mud tanks, reserve pit, burn and trash pits, etc., See Exhibit "A"
- (3) Rig orientation: See Exhibit "A"
- (4) Pits: the reserve pit will be examined after construction to determine if lining will be required. In addition, the pit will be fenced to prevent wildlife and domestic animals from entering.

10) PLANS FOR RESTORATION OF SURFACE:

- (1) All pits and holes will be filled after rig removal except the reserve pit which will be fenced. The reserve pit will be cleaned up and restored within 60 days after completion of operations, pending favorable weather conditions.
- (2) Revegetation and rehabilitation of location and access roads will be handled per Forest Service specifications. In addition, the road surface will be ripped, reseeded and cross-ditched as directed by the Forest Service. All available topsoil will be stockpiled at the well site area for placement back on the site for rehabilitation. The pad site will be reshaped to former contours if the well is dry and topsoil spread over the site. The area will be reseeded as prescribed.

Prior to rehabilitation, the topsoil will be tested to determine if fertilizer prescription will be needed to re-establish vegetation. Further, a fence will be constructed around the entire location after rehabilitation to allow revegetation to become established.

- (3) Pits will be fenced per stipulations during drilling operations and after rig release. The pit will be excavated so that no more than half of the drilling fluids will be against the fill materials.
- (4) Reserve pit oil will be burned, removed or the pit flagged as necessary.
- (5) Rehabilitation procedures will be commenced as soon as practical after rig removal, weather permitting.

11) OTHER INFORMATION:

- (1) General description of surface: The proposed location is on top of Fisher Mesa at an elevation above 8000 feet. Fisher Mesa is sided by steep sandstone cliffs and by the LaSal Mountains. Vegetation cover is 60-70% with fair visibility, and contains Gambel oak, pinon pine, juniper, ponderosa pine, cliff rose, mountain mahogany, wild rose, aspen, big sage, snowberry, asters, and various grasses. Soils are a tan-red sand, usually quite shallow.
- (2) Surface use and surface ownership: primary surface use is for use as a National Forest. Surface is owned by the United States of America.
- (3) Proximity of water, occupied dwellings, archeological, historical, or cultural sites: No known occupied dwellings, historical or cultural sites are within the immediate vicinity. An archeological survey of the proposed site and access has been performed, refer to Exhibit "E". Closest natural water is the Colorado River approximately 10 miles to the northwest. Water drains intermittently to the west in ephemeral washes off of Fisher Mesa. Numerous creeks drain the LaSal Mountains in the area.

- 12) Representative for Amoco Production Company is Mr. W.R. Halvorson, District Drilling Superintendent, P.O. Box 17675, Salt Lake City, Utah 84117, Telephone (801) 264-2200.

- 13) I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access road; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge and belief, true and correct; and that the work associated with the operations proposed herein will be performed by:

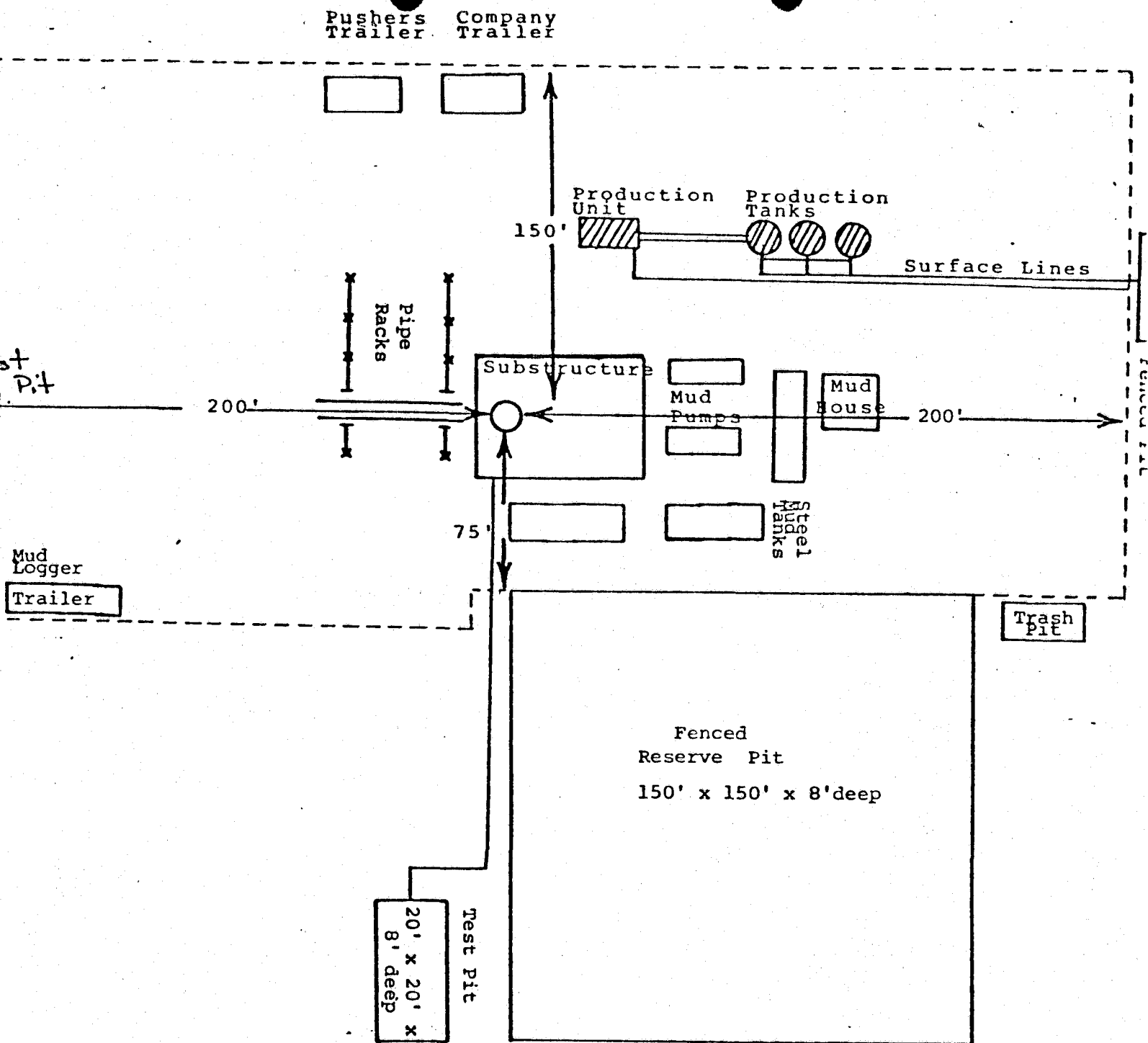
Amoco Production Company and its contractors and sub-contractors in conformity with this plan, and the terms and conditions under which it is approved.

September 22, 1982
Date

Name and Title:

WR Halvorson

District Drilling Superintendent



= Shows permanent production equipment to be installed after drilling rig has moved out.

--- Dotted lines indicated perimeter of leveled location.

The fenced pit used for production will be covered if any fluid is present. The drilling and production pads will be constructed with dozers and graders using native material.

TYPICAL
 LOCATION
 LAYOUT

AMOCO PRODUCTION COMPANY
 P. O. Box 17675
 SALT LAKE CITY, UTAH 84117

EXHIBIT "D"



POWERS ELEVATION

OIL WELL ELEVATIONS — LOCATIONS
ENVIRONMENTAL — ARCHAEOLOGICAL SERVICES
600 SOUTH CHERRY STREET, SUITE 1201
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

September 17, 1982

Mr. Reid Smith
Amoco Production Company
P. O. Box 829
Evanston, Wyoming 82930

Dear Mr. Smith:

Enclosed is the cultural resource survey report for the following Amoco location:

Delores River Unit #1
Grand County, Utah.

A Class III pedestrian survey and inspection of existing records were performed for this location by Powers Elevation. File searches with the Manti-LaSal National Forest and the State Historic Preservation Office revealed no previously recorded sites or surveys in the project area.

While no sites were located during field survey, an abundance of white chert flakes was observed, which indicates potential for sites on Fisher Mesa. If buried or obscured cultural materials are found during construction activities, work should cease immediately and the District Ranger of the Moab District, Manti-LaSal National Forest, notified promptly.

We recommend that construction of the project proceed as planned, since no known cultural materials will be affected.

Sincerely,

Marcia J. Tate

Marcia J. Tate
Production Manager
Archaeology Division

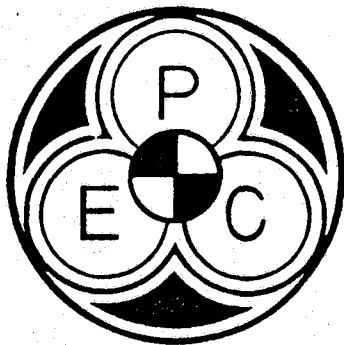
cc: USFS, Manti-Lasal National Forest, Attn. Les Wikle
USFS, Moab District Ranger's Office
✓ Amoco, Salt Lake City, Attn. Scheree Wilcox
Mr. Fred Frampton, District Archaeologist

EXHIBIT "E"

Cultural Resource Management Report

Amoco Production Company
Delores River Unit #1
Grand County, Utah

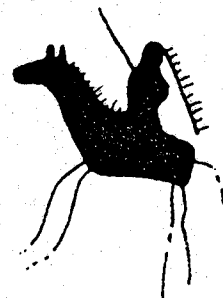
Lead Field Investigator	Fred P. Frampton, M.A.
Principal Investigator	Bruce E. Rippeteau, Ph.D., Marcia J. Tate
Date Sept. 17, 1982 For	Amoco Production Company



POWERS ELEVATION

CHERRY CREEK PLAZA, SUITE 1201
600 SOUTH CHERRY ST., DENVER, COLORADO 80222
(303) 321-2217

Archæology Division





POWERS ELEVATION

OIL WELL ELEVATIONS — LOCATIONS
ENVIRONMENTAL — ARCHAEOLOGICAL SERVICES
800 SOUTH CHERRY STREET, SUITE 1201
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

PROJECT IDENTIFICATION: A cultural resource survey for Amoco Production Company, Delores River Unit #1, well pad and access, Grand County, Utah; U.S. Forest Service, Moab Ranger District.

SPECIAL USE PERMIT: Record #70

FILE SEARCH: A file search conducted September 7, 1982, with Les Wickle, Forest Archaeologist, with the Manti-LaSal National Forest, revealed no previously recorded sites or surveys within the project area. A file search conducted September 13, 1982, with Liz Manion of the State Historic Preservation Office revealed no sites or surveys within the project area.

LOCATION: 2008 feet FNL, 2053 feet FEL; SW1/4 NE1/4 of Section 14, T25S, R24E.

MAP REFERENCE: Polar Mesa, 15', 1954

DATES OF INVESTIGATION: September 7, 13, 1982

PERSONNEL: Fred P. Frampton, Field Investigator; Bruce E. Rippeteau and Marcia J. Tate, Principal Investigators.

PROPOSED ACTION: At the request of Amoco Production Company, Evanston, Wyoming, Fred P. Frampton performed an archaeological survey for the construction of an approximate five acre well pad and camp and a one mile long proposed access road on lands administered by the Moab Ranger District, Manti-LaSal National Forest. A ten-acre area surrounding the proposed centerstake was examined and the road was examined to a width of 100 feet (12.1 acres). In all, approximately 22.1 acres were investigated archaeologically.

ENVIRONMENT: The proposed location is on top of Fisher Mesa at an elevation above 8000 feet. Fisher Mesa is sided by steep sandstone cliffs and by the lacolithic LaSal Mountains.

Water drains intermittently to the west in ephemeral washes off of Fisher Mesa. Numerous creeks drain the LaSal Mountains in this area and the Colorado River is only ten miles northwest.

Vegetation cover is 60-70% with fair visibility. In descending order of occurrence were noted: Gambel oak, pinon pine, juniper, ponderosa pine, cliff rose, mountain mahogany, wild rose, aspen, big sage, snowberry, asters, penstemon, and various grasses.

Soils were a tan-red sand, usually quite shallow. Bedrock sandstone is visible in much of the survey area.

FIELD METHODS: The survey was conducted by walking a series of systematic, parallel, 15-meter wide, east/west transects across a

ten-acre area surrounding the centerstake of the proposed well pad. The proposed and flagged access road was surveyed in two, parallel, 15-meter wide swaths for a total width of 30 meters (approximately 100 feet).

An abundance of white chert flakes were observed while searching for section corners, so it can be assumed that while no cultural resources were found in this survey, there are probably sites somewhere on Fisher Mesa.

RESULTS: No cultural resources of any kind were noted.

NATIONAL REGISTER EVALUATION: There are no sites on or eligible for nomination to the National Register of Historic Places in the Fisher Mesa area.

RECOMMENDATIONS: As no sites were found there will be no effect to cultural resources by this project. Because soils are generally quite shallow, the chances of uncovering buried cultural deposits are also minimal.

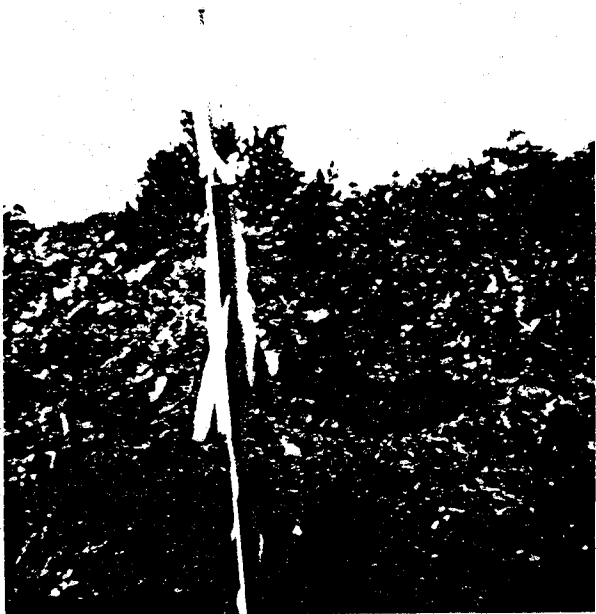
Should buried or obscured cultural resources be found during construction activities, work should immediately cease and the District Ranger of the Moab District, Manti-LaSal National Forest, must be promptly informed.

We recommend that construction of the Amoco Production Company's Delores River Unit #1 well pad and access proceed as planned.

Marcia J. Tate 9/17/82
Marcia J. Tate Date
Principal Investigator

MJT/kle

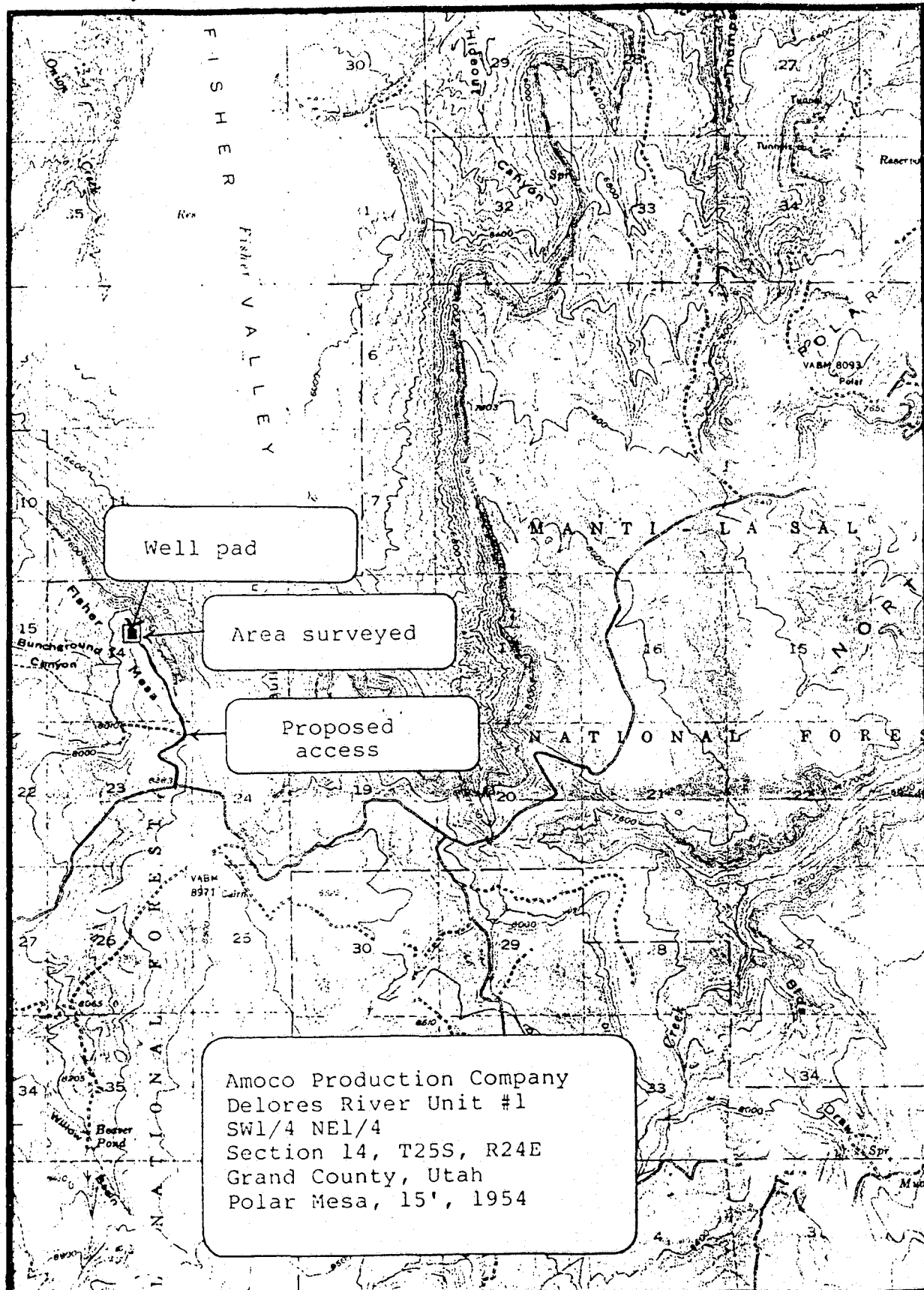
Amoco Production Company
Delores River Unit #1
SW1/4 NE1/4
Section 14, T25S, R24E
Grand County, Utah



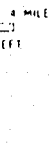
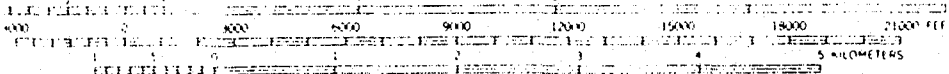
View north

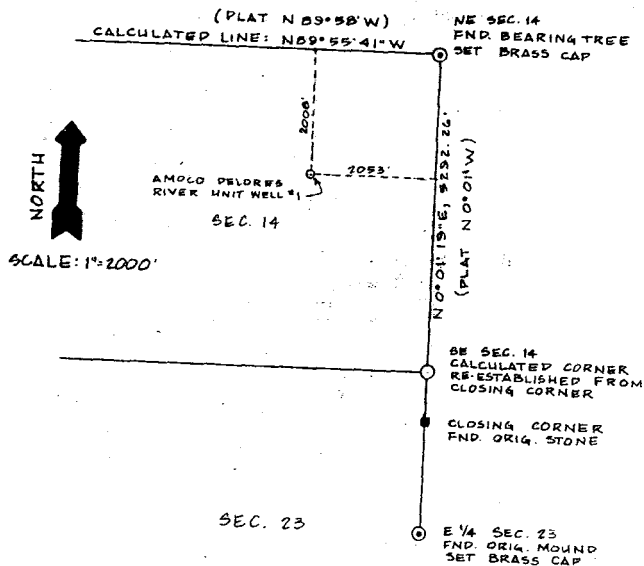


View south from
center of pad



SCALE 1:62,500





T 25 S, R 24 E, SLB 4 M

WELL ELEV. 8110'

DATHM: USGS QUAD "POLAR MESA - UTAH - COLO.;
VERTICAL ANGLE BENCH MARK "CAIRN"
NW 1/4 SEC. 25, T 25 S, R 24 E,
ELEV. 8971

AUTHORIZED BY: REID SMITH

AMOCO Production Company
Well No. 1
Section 14, T25S, R24E
Delores River Unit
Grand County, Utah
Lease U-18632

Supplementary Stipulations

- (1) That part of the project road which will be reclaimed, if a developmental well does not result, must be blocked to prevent access by vehicles and signed by the operator to inform the public of the reclamation work underway.
- (2) All pinyon-juniper removed during construction of the project road should be stored above roadcuts, to be scattered across reclaimed portions of the project road.
- (3) Stockpile gravel removed from the project road during reclamation at the terminus of the Forest Development Road System.
- (4) All range developments that are removed, damaged or altered will be replaced by Amoco, including cattleguards and Fisher Mesa drift fence.
- (5) A special use permit will be required for project road construction not on the Forest Development Road System or within the lease boundary.
- (6) A road use permit will be required for all Forest System Roads used during the life of this project.
- (7) All road construction and reconstruction work will meet Forest Service "Standard Specifications for Construction of Roads and Bridges", 1979, unless specifically approved by the Forest Service.
- (8) Construction will not begin until plans have been reviewed and approved by the Forest Service.
- (9) Before construction may begin, a preconstruction meeting must be held, including appropriate contractors, operators, operator supervisory engineering personnel, and Forest Service personnel.

- (10) The following seed mix must be used for pad and project road reclamation work:

Agropyron cristatum	2 lbs/Acre	Crested wheatgrass
Agropyron intermedium	3 lbs/Acre	Intermediate wheatgrass
Agropyron pubescens	1 lb/Acre	Pubescent wheatgrass
Medicago ladak	2 lbs/Acre	Ladak or Standard alfalfa
Atriplex canescens	1 lb/Acre	Fourwing saltbrush
Purshia tridentata	$\frac{1}{2}$ lb/Acre	Bitterbrush
Melilotus officinalis	<u>1 lb/Acre</u>	Yellow Sweet Clover

10 $\frac{1}{2}$ lbs/Acre

- (11) Apply a seed mix of less palatable vegetation to all new cutslopes and fill slopes on Forest Development Road 50033 immediately after construction. The following seed mix should be used:

Agropyron smithii	2 lbs/Acre	Western wheatgrass
Agropyron cristatum	1 lb/Acre	Crested wheatgrass
Calamagrostis canadensis	2 lb/Acre	Bluejoint reedgrass
Elymus cinereus	2 lb/Acre	Great Basin wildrye grass
Elymus glaucus	1 lb/Acre	Blue wildrye grass
Aster chilensis	$\frac{1}{2}$ lb/Acre	Pacific aster
Astragalus cicer	$\frac{1}{2}$ lb/Acre	Chickpea
Linum lewisii	$\frac{1}{4}$ lb/Acre	Lewis flax
Melilotus alba	$\frac{1}{2}$ lb/Acre	White sweetclover
Sanguisorba minor	$\frac{1}{2}$ lb/Acre	Small burnet
Viguiera multiflora	<u>$\frac{1}{4}$ lb/Acre</u>	Goldenrye

10 $\frac{1}{2}$ lbs/Acre

- (12) Apply the seed mix approved for requirement number eleven to the cutslopes and fill slopes to that part of the project road which will be included in the Forest Development Road System.
- (13) Return pad and portions of project road that will be reclaimed, to approximate original contour.
- (14) Upgrade the Gateway Road to safely carry the anticipated volume and type of traffic during the extended season of use.
- (15) Provide a proper aggregate surface for support of the traffic and season of use on all roads to be used.
- (16) The operator will sign the Gateway Road to indicate truck traffic.
- (17) Provide a safe turnaround and wintertime recreational vehicle parking area during winter operations, beyond the turnoff point to Fisher Mesa on the Gateway Road.

- (18) Provide a safe and adequate turnout and parking area to accommodate Willow Basin residents during winter operations.
- (19) Water bars and erosion control structures must be used where needed on reclaimed portions of access roads and drill pad.
- (20) Disposal of slash and stumps along the Gateway Road and any portion of the project road which will remain open will be by burning. Any residue left will then be disposed of by burying in a location approved by the District Ranger or a designated representative.
- (21) All trash for this project must be contained in a manner which will prevent it from being blown off location.
- (22) Sewage disposal must meet State regulations and be acceptable to the Forest Service.
- (23) Adequate fire suppression equipment must be readily available to employees and contractors at the project site.
- (24) All motorized equipment will have working mufflers and spark arrestors. Electrical equipment must be properly insulated. Vehicles equipped with catalytic converters will be parked in clear areas to avoid igniting potential fuels such as grass and brush.
- (25) Pad design will meet Forest Service "Standard Specifications for Construction of Roads and Bridges", 1979, unless specifically approved by the Forest Service.
- (26) If production occurs, the unneeded portions of the drill pad will be reclaimed.
- (27) A three stand barbed wire fence will be required around reclaimed pad to be maintained by the operator and removed by the operator after reclamation is successful.
- (28) Topsoil will be stripped from all areas where surface disturbance is necessary, and stockpiled. Care should be taken to avoid unnecessary mixing with other excavated materials.
- (29) Any excess topsoil from permanent road construction not needed for reclamation of cut and fill slopes will be stockpiled for reclamation of the pad.

Intentional

- (30) ~~Intentional~~ harassment of livestock and wildlife is prohibited.
- (31) Section corners or other survey markers within project area must be flagged for preservation prior to commencement of surface disturbing activities. The removal, displacement or disturbance of markers must be approved by proper authority.
- (32) All surface disturbing activities and operations must be supervised by a company representative knowledgeable of the terms and conditions of approval of the Operating Plan.
- (33) All surface disturbing activities must cease in the event that archaeological or cultural resources are unearthed or discovered. The District Ranger or his designated representative must be immediately notified of the situation. Operations may again commence upon Forest Service approval.
- (34) The operator is responsible for immediate repairs of any and all damages to roads, structures, and improvements, which result from his operations, at his own expense.
- (35) All equipment and debris must be removed from the National Forest upon completion of operations. All trash and garbage must be properly disposed of at an approved refuse area. Disposal or burial of any such material in the reserved pit is prohibited.
- (36) All trash which is burned on location must be in a facility which contains the fly ash and is approved by the District Ranger or his designated representative.
- (37) Water must be legally obtained in accordance with State Water Laws.
- (38) Vehicle operators must maintain safe speeds commensurate with existing road traffic and weather conditions.
- (39) Amoco Production Company must take all necessary measures to prevent contamination of soils and water around the project, by containing all drill muds, fluids, fuels, and other contaminants during all phases of the operation.
- (40) Dogs at the campsite and construction area must be kept on a leash, or otherwise restricted from chasing wildlife and livestock.

- (41) In the event that drilling is completed in the winter and reclamation cannot be completed until spring, temporary measures must be taken. This includes fencing of the pit, removal of trash and debris, and correction and maintenance of any damage done to the surfacing or drainage features of the transportation system and pad area.
- (42) Snow removal operations at the drill site will be conducted such that contaminants are contained by the pad and reserve pit.

Appendix H

Transportation Report Amoco Production Company Dolores River Unit #1

Amoco Production Company's Dolores River Unit #1 exploration well would require the use of Forest Development Road #50207, the Gateway Road for 5.2 miles. An existing non-system road would also be upgraded by reconstruction and extended by new construction for use as a project road. This project road would be approximately 1.2-1.3 miles in length, of which approximately 0.5 miles would be added to the Forest Development Roads System or retained under special use permit for future uses.

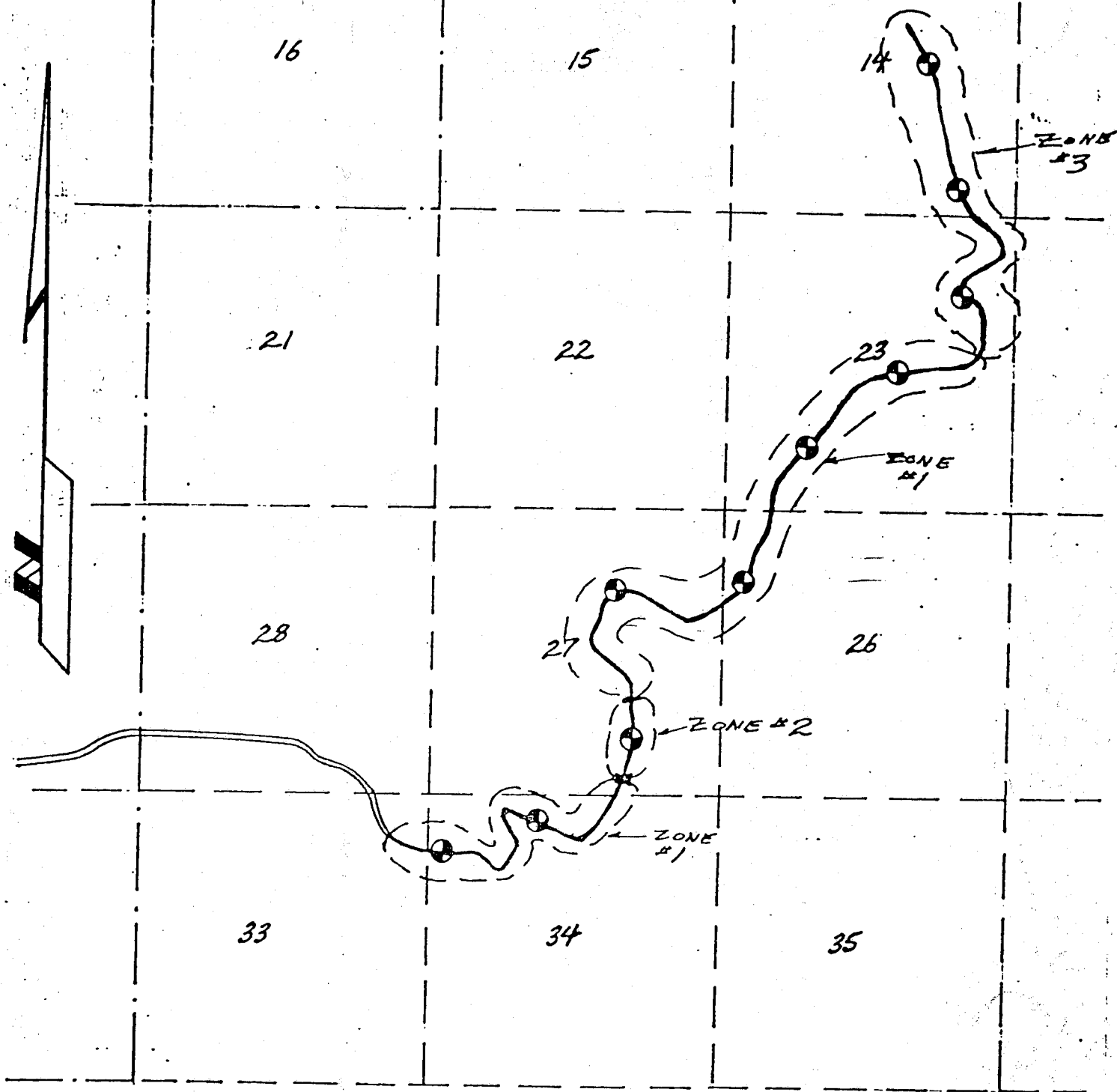
The proposal identifies the move-in and move-out of approximately 50 truck loads for the drill rig itself. Approximately 9 light vehicles, 4-5 axle trucks and 5-3 axle trucks will make daily trips over the roads to set-up, supply, and man the drill operation as identified by Mr. Reed Smith. These estimates agree with the Forest Service estimates of drilling traffic required for the proposed 17,000 foot hole.

Our traffic surveys indicated that the seasonally adjusted daily traffic on the Gateway Road was above 75 SADT in 1977, 1978, and 1979. Our transportation planning would indicate that approximately 20% of the traffic use will consist of heavy truck traffic. Forest traffic is estimated to be less than 50% of the total use on the road.

Because of the high percentage of truck traffic, the curvilinear (twisting) alignment and constantly pitching grades a substantial portion of the roadway would have to be double tracked to provide a safe route without major realignment.

It is recommended that a double lane facility be constructed along the existing alignment, thereby providing a safe facility with less new disturbance and environment impact, rather than construct a single lane facility with turnouts on a radical modified or new location. Construction cost for reconstruction on the existing alignment should also be reduced over shifting to a modified or new location.

Accepting a double-lane facility as the least cost alternative (environmental, construction, maintenance, user) to safely move the 75 plus SADT while utilizing the existing roadway template to the optimum and fitting the modifications to the terrain the remaining design elements can be determined.



45405J

SCALE ~ 1" = 1/2 MI.

TEST BORING LOCATION DIAGRAM
AMOCO - DELORES RIVER UNIT #1
MDAB, UTAH



LINCOLN
DEVORE
ENGINEERS-
GEOLOGISTS

COLORADO: COLORADO SPRINGS,
PUEBLO, GLENWOOD SPRINGS,
GRAND JUNCTION, MONTROSE,
WYOMING: ROCK SPRINGS

Amoco Production Company's
Dolores River Unit #1
Gateway Road FDR #50207

<u>Feature</u>	<u>Standard</u>
Classification	Major Collector
SADT	75 plus
Truck Traffic	20%
Design Speed	20 m.p.h.
Operating Speed	15-20 m.p.h.
Lanes	Double Lane (2)
Lane Width	10 feet
Total Road Width Reg. (Running Surface)	20 feet
Pavement Shoulders	3:1 shoulder taper
Pavement Structure	(a) 15" base course
Zone I	OR
	(b) 9" base course over 10"
	sub-base
Zone II	7" base course
Zone III	6½" base course
Horizontal Curvature	320 foot radius desired 115 feet as approved
Minimum Stopping Sight Distance	170 feet
Subgrade Width	Zone I 30-32 feet Zone II 26-28 feet Zone III 25-28 feet
Curve Widening	2 feet on all curves at or greater than 320 feet desired radius. Curves less than 320 feet widening as approved.

<u>Feature</u>	<u>Standard</u>
Ditch Depth	1 foot below subgrade
Ditch Width	3 feet on 3:1 slope
Grades	4-6 percent desired 8 percent maximum sustained 10 percent pitch under 600 feet long
Cut and Fill Slopes	0-5 feet 3:1 5-10 feet 2:1 over 10 feet 1½:1
Culverts	18 inch min. dia. outlet slope protection 4% cross slope 4 ft. flat bottom inlet basin taper 50 ft. back with ditch block ahead
Culvert Spacing- Maximum	2%-4% ditch grade 1000 ft. 4%-8% ditch grade 800 ft. 8%-10% ditch grade 400 ft. 10%-12% ditch grade 300 ft.
Clearing	Catch point fill or 21 feet min. 5 feet beyond catch point cut or 25 feet minimum
Earthwork	Balance Section
Topsoil	Salvage and Stockpile all for reclamation or Stockpile

Amoco Production Company
Dolores River Unit #1
Project Road

<u>Feature</u>	<u>Standard</u>
SADT	Under 20 ADT
Truck Traffic	50%
Design Speed	10 m.p.h. or less
Operating Speed	5-15 m.p.h.
Horizontal Curvature	100 ft.
Minimum Stopping Sight Distance	100 ft.
Lanes	Single lane with Turnouts
Lane Width	14 ft. tangents 16 ft. curves > 150 ft. radius 19 ft. curves < 150 ft. radius
Turnout Width	24 ft. tangents 26 ft. curves > 150 ft. radius 29 ft. on 100 ft. radius double track
Pavement Shoulder	3:1 shoulder taper
Pavement Structure	Zone III 6½" base course
Subgrade Width	18 ft. tangents 20 ft. curves > 150 ft. radius 33 ft. curves < 150 ft. radius
Ditch Depth	1 foot below subgrade
Ditch Width	3 feet on 3:1 slope
Grades	4-6 percent desired 8 percent maximum sustained 10% pitch under 600 feet long
Cut and Fill Slopes	0-5 feet 3:1 5-10 feet 2:1 over 10 feet 1½:1
Culverts	18 inch min. dia. outlet slope protection 4% cross slope 4 ft. flat bottom inlet basin taper 50 feet back with ditch block ahead

<u>Feature</u>	<u>Standard</u>
Culvert Spacing Maximum	2%-4% ditch grade 1000 ft. 4%-8% ditch grade 800 ft. 8%-10% ditch grade 500 ft. 10%-12% ditch grade 350 ft.
Clearing	Catch point fill or 21 ft. min. Catch point of cut or 20 ft. min.
Earthwork	Balance Section
Topsoil	Salvage for reclamation or stockpile for future use

Amoco Production Company
Proposed Wildcat Well

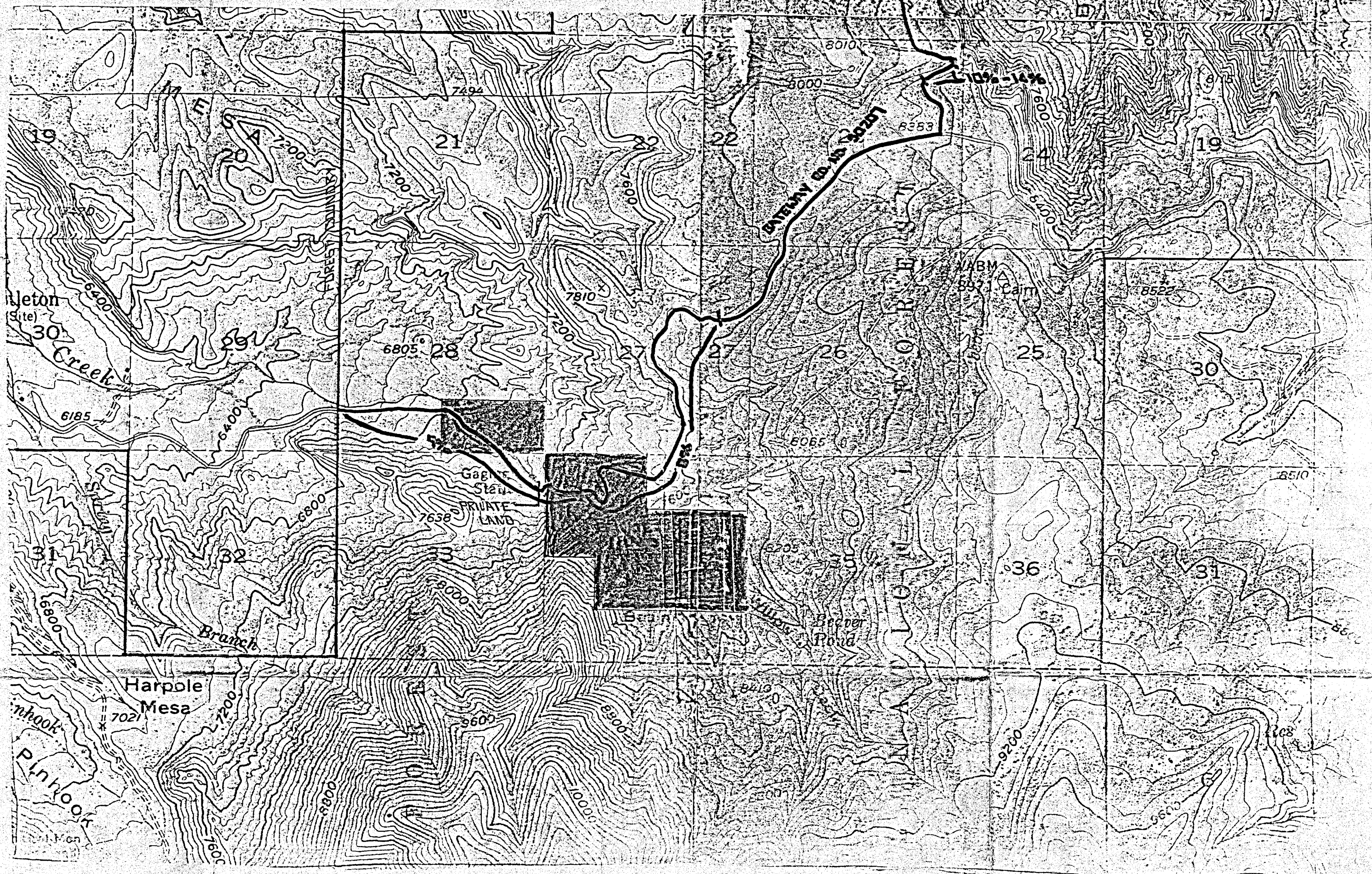
Functional Status Report (Engineering)

In order for Amoco Production Company to drill a wildcat well (exploration) in the NE $\frac{1}{4}$ of Section 14, T25S, R24E, to a depth of 17,000 feet, it is estimated that a minimum of eight months drilling time will be required. The required reconstruction, construction, and surfacing (stabilization) of the transportation system and the construction of the drill pad will extend the use period beyond a year. Extended winter conditions or difficult geological structure could extend total use to beyond two years. An all-season operation must, therefore, be planned.

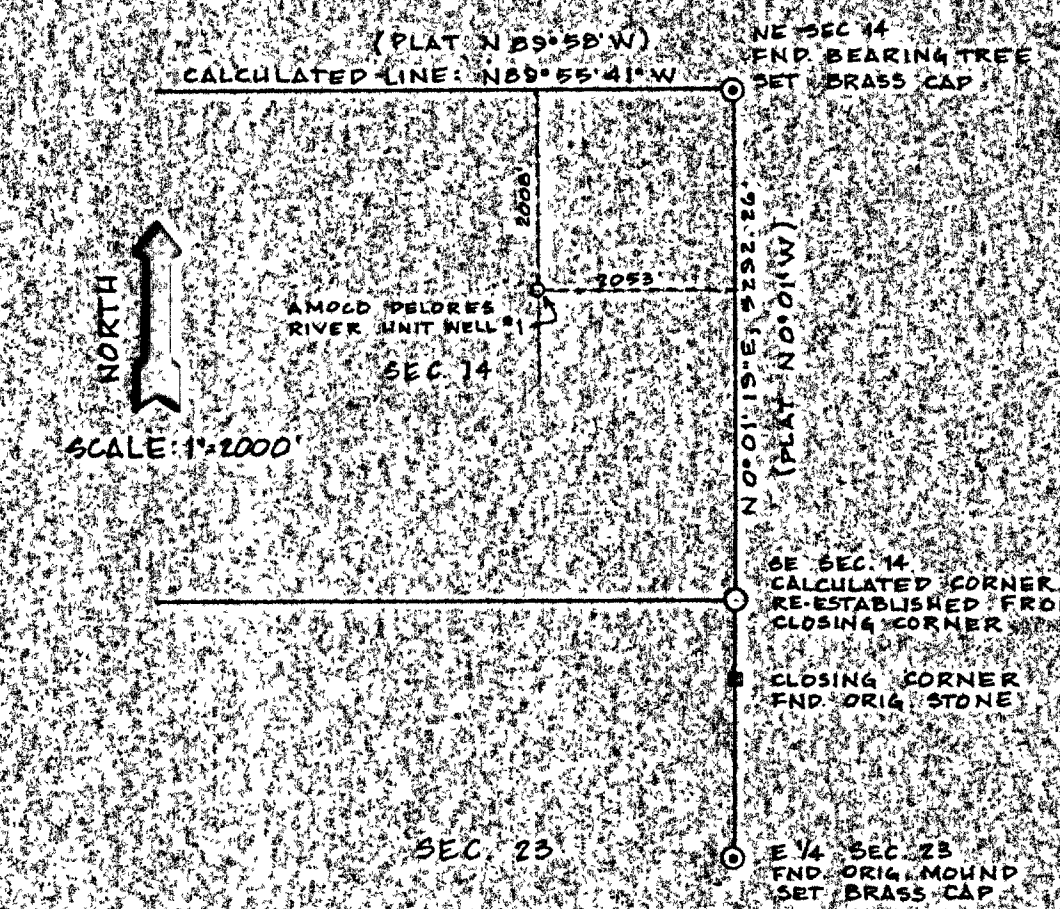
It is estimated that the average daily traffic for the drilling operation will approach 22 trips per day. The subgrade will have to be stabilized by the placement of a gravel column to adequately support this traffic during the seasons of use. For the estimated use, between 10 inches and 18 inches of gravel or equivalent column will be needed on the roads.

The existing Forest Development Road #50207, the Gateway Road, provides the access to Fisher Mesa on which the proposed site is located. A temporary non-system will require extension and reconstruction also.

The present Gateway Road will be used for 5.2 miles from the Castle Valley Road to the non-system road on Fisher Mesa. The first 0.55 miles of the Gateway Road is located outside the Forest boundary and is under jurisdiction of Grand County. The first 1.5 miles of the Gateway Road has been paved by Grand County under cooperative agreement to serve county residents. The surfaced width is 20 feet. The remaining 3.6 miles of the present road is graded and drained. Drainage consists mostly of dips for roadway drainage and culverts for natural drainages. Essentially, no gravel remains in place on the section. An existing 16-foot cattleguard is at the transition from the paved to graded section.



AMOCO DELORES RIVER UNIT WELL #1
NE 1/4 SECTION 14, T25S, R24E, S1B4M
GRAND COUNTY,
UTAH



T25S, R24E, S1B4M

WELL ELEV. 8110
BATHY: U265 QUAD * FOLAR MESA, UTAH, COLO.
VERTICAL ANGLE BENCH MARK CAIRN
NW 1/4 SEC 25, T25S, R24E,
ELEV. 8971

AUTHORIZED BY: REID SMITH

MAP TO ACCOMPANY
APPLICATION FOR
PERMIT TO DRILL
FOR
AMOCO PRODUCTION COMPANY
P.O. BOX 17675
SALT LAKE CITY, UT 84117

LINTA ENGINEERING & SURVEYING, INC.
808 MAIN ST., EVANSTON, WYO. 82930

82-10-50 9-16-82

EXHIBIT "A"

SCALE 1"=50'

NOTE: ALL CUTS TO BE
GRADED OF LOOSE
ROCK

QUANTITIES

CUT 56,197 CY
FILL 14,505 CY
SPILL 21,288 CY
TOP SOIL 1,678 CY

PIT CAPACITY 91,311 BLS

NOTE: SPOIL TO BE USED TO WIDEN
RESERVE PIT, DIKE AND
REINFORCE OUTSLOPE.

SURVEYED UNDER MY SUPERVISION ON
SEPTEMBER 1-10, 1982

John A. Proffitt 9/16/82
JOHN A. PROFFITT, UTAH L.S. #2860

The existing subgrade width on the road is 20 feet, with some sections as narrow as 16 feet. Improvement to the alignment is needed where Willow Basin Road enters onto the Forest Development System. The horizontal alignment is fair to good. The vertical alignment on the graded and drained section is from poor to fair. The first 0.9 miles beyond the pavement has sustained grades greater than 8 percent (MP 1.5 to MP 2.4). The next 0.7 miles has rolling pitches with average grades approaching or exceeding 8 percent (MP 2.4 to MP 3.1). The grades hold below 8 percent for another 1.1 miles (MP 3.1 to MP 4.2), then continue to roll and pitch for the remaining mile at slightly over 8 percent sustained grade.

The graded and drained section has some ditches incorporated into the roadway template for the first 2.65 miles and culverts for the first 1.8 mile. The last 1.0 miles of graded and drained use getaway ditches only along with rolling dips.

About one mile of right-of-way is needed over the length of the Forest Development Road. The following private 40's are crossed, the SW $\frac{1}{4}$ SE $\frac{1}{4}$ and SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 28, and the NW $\frac{1}{4}$ NW $\frac{1}{4}$ and NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 34, T25S, R24E, SLB&M.

The existing road use exceeds 20 vehicles per day on a seasonal average. A large portion of this traffic is related to mineral exploration, mining, and hauling. An undetermined amount of additional traffic is generated from adjacent non-Forest land use and through traffic.

The present recommended road standard for reconstruction of this major collector system road is for a double lane reinforced running surfaced for seasonal use. The in-place sandy soil creates dusting and washboarding problems during dry periods under the moderate volume and truck traffic use.

Because of the erosive nature of the fine sandy soils in association with grades of 8 percent, the drainage structures (dip or culvert) have been closely spaced to avoid roadbed damage during wet conditions. For a wintertime operation of an exploration well, the construction of an outsloped transportation facility

on the moderately steep side slopes is considered unsafe. The proposed facility, to handle the present Forest use and the proposed oil and gas exploration year-round use, should be constructed to a double lane with ditch and culverts and gravel reinforcement with a design speed of 20 miles per hour.

A temporary road of approximately 1.5 miles must be constructed or reconstructed to the pad site across the Fisher Mesa. Approximately 0.6 miles of an existing non-system road could be upgraded for use. An additional 0.6 to 0.9 miles of new construction would also be needed. The existing road has one pitch over 1.000 feet long that probably exceeds desirable sustained grades (about 10 percent). The remaining portion of this temporary road should be on slack side slopes (under 20 percent) and on moderate grades (4-6 percent).

To minimize impacts, it is preferable to construct this temporary road no larger than a single lane 16-foot reinforced running surface with turnouts. The District Ranger expressed interest in adding this road to the Forest Development System to serve water-hauling operations for allotments on Fisher Mesa.

CONFIDENTIAL

OPERATOR AMOCO PRODUCTION CO DATE 9-27-82

WELL NAME DELORES RIVER #1

SEC SW NE 14 T 25S R 24E COUNTY GRAND

43-019-31001
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

HL

☐☐

NID

☐

PI

☐☒

MAP

☐☐

CONFIDENTIAL

PROCESSING COMMENTS:

NO SUCH UNIT AS SHOWN ON API - NO NEARBY WELLS - NO
NEED FOR THE REQUESTED SPACING EXCEPTION -

APPROVAL LETTER:

SPACING: ☐ A-3 _____
UNIT

☐ c-3-a _____
CAUSE NO. & DATE

☒

c-3-b

☐

c-3-c

SPECIAL LANGUAGE:

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION *FED*

☒ VERIFY ADEQUATE AND PROPER BONDING *FED*

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☒ APPLY SPACING CONSIDERATION

☐ ORDER NO

☐ UNIT NO

☒ c-3-b

☐ c-3-c

☒ OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

CONFIDENTIAL

September 27, 1982

Amoco Production Company
P. O. Box 17675
Salt Lake City, Utah 84117

RE: Well No. Delores River #1
SWNE Sec. 14, T. 25S, R. 24E
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Engineer
Office: 533-5771
Home: 571-6068

OR


CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-31001.

Sincerely,



Norman C. Stout
Administrative Assistant

NCS/as
cc: Minerals Management Service
Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐
well well other

2. NAME OF OPERATOR
AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR
P.O. Box 17675 Salt Lake City, UT

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2008' FNL & 2053' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) APD REVISIONS

☐
☐
☐
☐
☐
☐
☐
☐
☐

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Amoco Production Company proposes to amend Items #7(4) and #9(4) of the Surface Use and Operations Plan for the subject well as follows:

#7(4) Sewage - Amoco proposes to install a holding tank for sewage for trucking to an approved disposal site at the Moab City Sewer System.

#9(4) Pits - Amoco has determined that the reserve pit at the subject location will be sprayed with Gummite Lining, rather than installation of a plastic liner.

Subsurface Safety Valve: Manu. and Type _____

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Original Signed By Administrative
K W DEWEY Supervisor DATE Oct. 19, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

5. LEASE	U-18632
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME	Delores River Unit
9. WELL NO.	#1
10. FIELD OR WILDCAT NAME	Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	Sec. 14, T25S, R24E
12. COUNTY OR PARISH	Grand
13. STATE	Utah
14. API NO.	
15. ELEVATIONS (SHOW DR, KDB, AND WD)	8110' OR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

**TIGHT
HOLE**



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 3, 1983

Amoco Production Company
P. O. Box 17675
Salt Lake City, Utah 84117

Re: Well No. Lucky Flats # 1
Sec. 27, T. 17S, R. 12E.
Emery County, Utah

Well No. Delores River # 1
Sec. 14, T. 25S, R. 24E.
Grand County, Utah

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill these locations at a later date, please notify as such.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Well Records Specialist

CF/cf



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 9, 1983

Amoco Production Company
P. O. Drawer 829
Evanston, Wyoming 82930
Att: Drilling Department

2nd NOTICE

Re: Well No. Delores River # 1
2008' FNL, 2053' FEL
SW NE, Sec. 14, T. 25S, R. 24E.
Grand County, Utah

Gentlemen:

In reference to the above mentioned well, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill this well, and action will be taken to terminate the application. If you plan to drill this location at a later date, please notify as such.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Well Records Specialist

CF/cf



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

October 21, 1983

Amoco Preproduction Company
P. O. Drawer 829
Evanston, Wyoming 82930
Att: Drilling Department

Re: Well No. Delores River # 1
2008' FNL, 2053' FEL
SW NE, Sec. 14, T. 25S, R. 24E.
Grand County, Utah

Gentlemen:

Permit to drill the above mentioned well, which was granted in our letter of September 27, 1982, is hereby rescinded for failure to spud within a reasonable period of time, and failure to respond to the attached 2nd Notice inquiry of your drilling plans for the well.

It will be necessary for you to re-apply for Permit to Drill, should you choose to drill this site in the future.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Norman C. Stout
Administrative Assistant

NCS/cf
cc: Minerals Management Survey

**STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE,
CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)**

1. If you want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, **leaving the receipt attached**, and present the article at a post office service window or hand it to your rural carrier. (no extra charge)
2. If you do not want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, **detach and retain the receipt**, and mail the article.
3. If you want a return receipt, write the certified-mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.
4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.
5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in Item 1 of Form 3811.
6. Save this receipt and present it if you make inquiry.

Delores River #1

P05 7076039

RECEIPT FOR CERTIFIED MAIL

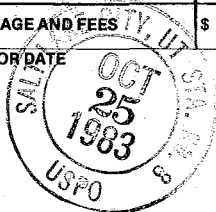
NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

(CF)

SENT TO				Amoco Production	
STREET AND NO.				P.O. Drawer 829	
P.O., STATE AND ZIP CODE				Evanston, WY 82930	
POSTAGE				\$	
CONSULT POSTMASTER FOR FEES	OPTIONAL SERVICES	CERTIFIED FEE		e	
		SPECIAL DELIVERY		e	
		RESTRICTED DELIVERY		e	
	RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED		e	
		SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY		e	
		SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY		e	
		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		e	
TOTAL POSTAGE AND FEES				\$	

POSTMARK OR DATE



SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO"
space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).

- ☒ Show to whom and date delivered ¢
☐ Show to whom, date, and address of delivery .. ¢

2. ☐ **RESTRICTED DELIVERY** ¢
 (The restricted delivery fee is charged in addition
 to the return receipt fee.)

TOTAL \$

3. ARTICLE ADDRESSED TO:

Amoco Production Company
 P.O. DRAWER 829
 Evanston, WY 82930

4. TYPE OF SERVICE:

- ☒ REGISTERED ☐ INSURED
☐ CERTIFIED ☐ COD
☐ EXPRESS MAIL

ARTICLE NUMBER

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE ☐ Addressee ☒ Authorized agent

Darrel Hansen

5. DATE OF DELIVERY

OCT 31 1983

POSTMARK
 (may be on reverse side)

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE:

7a. EMPLOYEE'S
 INITIALS

RETURN RECEIPT

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS



SENDER INSTRUCTIONS

Print your name, address, and ZIP Code in the space below.

- Complete Items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested"
- adjacent to number.

**RETURN
TO**

State of Utah
Natural Resources & Energy
Oil, Gas, & Mining
4241 State Office Building
Salt Lake City, Utah 84114

**PENALTY FOR PRIVATE
USE, \$300**

(Name of Sender)

(Street or P.O. Box)

(City, State, and ZIP Code)